

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61J1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 039 718 A (NIEDOSPIAL JR JOHN J) 21 March 2000 (2000-03-21) column 2, lines 17-39; figures 3a,3b,4a,4b	1-7,9-11
Y	US 5 971 181 A (GABBARD TIMOTHY J ET AL) 26 October 1999 (1999-10-26) abstract column 1, lines 15-44	1-7,9-11
Y	EP 1 029 526 A (BRACCO INT BV) 23 August 2000 (2000-08-23) paragraph '0003!	1-7,9-11
Y	EP 0 914 813 A (SHINSOZAI SOGO KENKYUSHO KK) 12 May 1999 (1999-05-12) paragraph '0027!	1-7,9-11
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

17 November 2004

Date of mailing of the international search report

25/11/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 398 321 A (TERUMO CORP) 22 November 1990 (1990-11-22) the whole document -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051377

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6039718	A	21-03-2000	US 6186997 B1	13-02-2001
			US 6019751 A	01-02-2000
			US 6287289 B1	11-09-2001
			CA 2262475 A1	20-01-2000
			EP 0974330 A2	26-01-2000
			JP 2000126307 A	09-05-2000
			CA 2259804 A1	20-07-1999
			EP 0930056 A2	21-07-1999
			JP 11253558 A	21-09-1999
			US 6179822 B1	30-01-2001
			US 6179823 B1	30-01-2001
			US 6241717 B1	05-06-2001
US 5971181	A	26-10-1999	US 5921419 A	13-07-1999
			CA 2262477 A1	16-11-1999
			DE 69919935 D1	14-10-2004
			EP 0960616 A2	01-12-1999
			JP 11321916 A	24-11-1999
			CA 2261897 A1	04-11-1999
			DE 69919262 D1	16-09-2004
			EP 0956849 A2	17-11-1999
			JP 11319031 A	24-11-1999
EP 1029526	A	23-08-2000	CA 2261428 A1	11-08-2000
			JP 2000237278 A	05-09-2000
			US 5902298 A	11-05-1999
			EP 1029526 A1	23-08-2000
			DE 69920160 D1	21-10-2004
EP 0914813	A	12-05-1999	JP 11128315 A	18-05-1999
			CN 1227739 A	08-09-1999
			EP 0914813 A2	12-05-1999
			US 6162205 A	19-12-2000
EP 0398321	A	22-11-1990	JP 2302260 A	14-12-1990
			JP 2923302 B2	26-07-1999
			AU 620515 B2	20-02-1992
			DE 69011197 D1	08-09-1994
			DE 69011197 T2	08-12-1994
			EP 0398321 A2	22-11-1990
			US 5122126 A	16-06-1992